BRUHATH BENGALURU MAHANAGARA PALIKE

Yelahanka Division, Yelahanka Zone

Executive Engineeer
Yelahanka Division
B.B.M.P. Bengaluru - 64

DRAFT TENDER SCHEDULE –'B'

Item No: 2
Original / Duplicate

Name of Work:- IMPROVEMENTS TO DOBHIGOT IN WARD NO.01 OF YELAHANKA SUB-DIVISION

Sl	Description	Unit	Approved Qty	Approved Rate	Rates in words
1	KSRB 2-1.1 : Earthwork in surface excavation in **ordinary soil** for **levelling and lowering** the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) / 2.3.1 (P.5/I.2.1)	Cum	183.93	169.56	Rupees One Hundred Sixty Nine and Paise Fifty Six Only
2	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No.17.1)	Cum	183.93	100.00	Rupees One Hundred Only
3	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.5/Item No. 2.3)	Cum	220.18	204.12	Rupees Two Hundred Four and Paise Twelve Only

Sl	Description	Unit	Approved Qty	Approved Rate	Rates in words
4	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.3)	Cum	74.97	5256.36	Rupees Five Thousand Two Hundred Fifty Six and Paise Thirty Six Only
5	KSRB 5.1-2 : Providing and constructing granite / trap / basalt rubble stone masonry in foundation with cement mortar 1:6 (Uncoursed), bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.12 (Page No.23/ Item No.5.3)	Cum	122.50	3508.92	Rupees Three Thousand Five Hundred Eight and Paise Ninety Two Only
6	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (Page No. 23/ Item No. 5.6)	Cum	66.37	4438.22	Rupees Four Thousand Four Hundred Thirty Eight and Paise Twenty Two Only
7	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification. No. KBS 2.9, (Page No. 6 / Item No. 2.10)	Cum	220.18	137.16	Rupees One Hundred Thirty Seven and Paise Sixteen Only
8	Providing & laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs , with 20mm and down size graded granite metal,coarseaggregated @ 0.70cum ,and fine aggregated @ 0.460cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed -2008 machine mixed concrete laid in layers not exceeding 15 crns thick, vibrated for all works in foundation for footings,pedestals,retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts,struts, buttresses, bed blocks, anchor blocks, plinths etc.,including cost of all materials, labour, HOM of machinery curing, complete but excluding cost of reinforcement as per specifications, specifications No.KBS 4.1,4.6 (P.No.13/ I.No.4.12)	Cum	85.12	6876.36	Rupees Six Thousand Eight Hundred Seventy Six and Paise Thirty Six Only

Sl	Description	Unit	Approved Qty	Approved Rate	Rates in words
9	KSRB 5-11 : Providing and constructing load bearing wall with cement concrete cavities blocks (hollow blocks) of proportion 1:1.5:3 blocks of size 40x20x20cms.(lxbxh) strength not less than 3.5 Newton per sqmm with cement mortar 1:4 conforming to I.S.2185 of 1967 having not less than 40mm.shell thickness with two or more large cavities and having solid material between including cost of materials, labour charges, scaffoldings, curing complete as per specifications. KBS No.5.4 (P.24 / I.N 5.25)	Sqm	168.12	992.52	Rupees Nine Hundred Ninety Two and Paise Fifty Two Only
10	KSRB 4.9.2: Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **-do- TMT Bars Fe 500** P.17/It.No.4.46.2	Qtl.	10.215	60534.00	Rupees Sixty Thousand Five Hundred Thirty Four Only
11	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, **footings, bases of columns** for mass concrete including cost of all materials, labour complete as per specifications.Specification NO. KBS 4.6.2 (Page No. 15 / Item No. 4.28)	Sqm	82.80	249.48	Rupees Two Hundred Forty Nine and Paise Forty Eight Only
12	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for **columns, pillars, piers,** abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6. (Page No. 16/ Item No. 4.32)	Sqm	37.80	395.28	Rupees Three Hundred Ninety Five and Paise Twenty Eight Only
13	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface** such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 (Page No. 15 / Item No. 4.31)	Sqm	29.66	316.44	Rupees Three Hundred Sixteen and Paise Forty Four Only

Sl	Description	Unit	Approved Qty	Approved Rate	Rates in words
14	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **flat surface** such as suspended floors, roofs, landings, balconies and likes, **thickness upto 200 mm** including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 (Page No. 15/ Item No. 4.18)	Sqm	82.00	338.04	Rupees Three Hundred Thirty Eight and Paise Four Only
15	KSRB 15.3.13 : Providing **12mm thick cement plaster in single coat** with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications (Page No. 114/ Item No. 15.21)	Sqm	41.00	208.44	Rupees Two Hundred Eight and Paise Forty Four Only
16	KSRB 15-3.10 : Providing **20mm thick cement plaster in single coat** with cement mortar **1:3,** to Stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, cost of materials, labour, curingetc.,complete as per specifications (Page No.114/Item No.15.18)	Sqm	242.52	279.72	Rupees Two Hundred Seventy Nine and Paise Seventy Two Only
17	KSRB 15-3.10 : Providing **20mm thick cement plaster in single coat** with cement mortar **1:4,** to Stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, cost of materials, labour, curingetc.,complete as per specifications (Page No.114/Item No.15.19)	Sqm	95.40	252.72	Rupees Two Hundred Fifty Two and Paise Seventy Two Only
18	KSRB 15.14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after througly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. (Page No. 117 / Item. No. 15.49.1)	Sqm	242.52	76.68	Rupees Seventy Six and Paise Sixty Eight Only
19	KSRB 15-16 : Providing and finishing external walls in **two coats with waterproof cement paint** of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. (Page No.118 / Item No. 15.53.2)	Sqm	95.40	90.72	Rupees Ninety and Paise Seventy Two Only

Sl	Description	Unit	Approved Qty	Approved Rate	Rates in words
20	KSRB 15.7: Providing **lime rendering for plastering to wall and ceiling,** including cost of materials, labour, curing complete as per specifications (Page No. 114 / Item No. 15.33)	Sqm	41.00	27.00	Rupees Twenty Seven Only
21	KSRB 7.11: Providing and fixing position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm. bottom section 1.3mm thick weight 1.07 Kg/m; sides and top sections 1.2 mm. thick weight 0.933 kg/m; shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm weight 0.417kg/m, shutter outer side 40mmx18mm, wall thickness 1.25mm, thick, weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc ; providing and fixing 5.5mm, thick plain glass for shutters fitted with rubber beading all aluminium including cutting to required length, joints mitred subdividing the frame tenonned and riveted in the assembled frame stiffened with end clops at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, (Page No. 33 / Item No. 7.11.1)	Sqm	7.92	4418.28	Rupees Four Thousand Four Hundred Eighteen and Paise Twenty Eight Only
22	Providing and fixing M.S grill work for window and ventilators weighing 21kg/sqm using M.S flats and M.S square approved designed drawing including cutting steel section and welding the same to require patern with a coat of red primer, cost of materials fixtures labour and HOM of Machinery complete as per specification (Page No.32 / Item No.7.9)	KG	166.32	84.24	Rupees Eighty Four and Paise Twenty Four Only
23	Providing Honnewood frames of doors windows clrestory windows ventilators and other frames wrought framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps) but including cost of materials labour HOM of machineries complete as per specifications specification No.KBS 9.33(Page No.51/Item No.9.11)	KG	0.24	111083.00	Rupees One Lakh Eleven Thousand Eighty Three Only
23	KSRB 9.5-1: Providing and fixing in position fully panelled **Honne wood** shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No.9.34. (Page No. 51 / Item No.9.15)	Sqm	8.40	5014.44	Rupees Five Thousand Fourteen and Paise Forty Four Only

Sl	Description	Unit	Approved Qty	Approved Rate	Rates in words
24	KSRB 15-17.4: Applying **priming coat over new wood surface and / or wood based surface,** after brushing with ready mix enamel priming paint including preparing the surface after thoroughly cleaning oil, grease, dirt, and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications (Page No. 119 / Item No.15.58)	Sqm	16.80	33.48	Rupees Thirty Three and Paise Forty Eight Only
25	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. (Page No. 119 / Item No.15.60.1)	Sqm	16.80	90.72	Rupees Ninety and Paise Seventy Two Only
26	Providing and fixing Special make glazed Vitrified tiles (Granomite finis) of approved make, quality and colour of sized 600x600x10mm thick fixed on existing flooring wit ha special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. (Page No. 107 / Item No.14.43)	Sqm	27.60	1285.20	Rupees One Thousand Two Hundred Eighty Five and Paise Twenty Only
27	KSRB 14.14.4: Providing **Ceramic tiles of approved make,**shade and size for flooring, treads of steps and landing, laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing using white cement with using colour pigment, including cost of materials, labour, complete as per specifications. (Page No. 106 / Item No.14.36.2)	Sqm	5.76	1270.08	Rupees One Thousand Two Hundred Seventy and Paise Eight Only
28	KSRB 14.14.3: Providing skirting, dadoing, rises of steps with colour glazed tiles of size 10mm thick cement plaster 1:3 and joited with white cement over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. (Page No.106 / Item No.14.41.1) -do- colour glazed tiles 15X15cms 6mm thick	Sqm	28.56	1157.76	Rupees One Thousand One Hundred Fifty Seven and Paise Seventy Six Only
29	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC) M20 for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, for raft foundation, column footing, main and secondary beams with all lead and lifts etc.,complete (exclusive of cost of steel and fabrication charges)Page No.18/Item No.4.49.3)-do- M30	Cum	136.80	6742.44	Rupees Six Thousand Seven Hundred Forty Two and Paise Forty Four Only

Sl	Description	Unit	Approved Qty	Approved Rate	Rates in words
30	KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal Type, P-trap) with black solid plastic seat and lid, C. P. brass hinges, rubber buffers. 10 litre low level, P.V.C. flushing cistern (all are approved make) with fittings, C.I. / M.S. brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labours complete as per specifications. KBS 11 (Page No. 77 / Item No.12.5)	Pan	1.00	5540.40	Rupees Five Thousand Five Hundred Forty and Paise Forty Only
31	KSRB 12-8.1 : Constructing brick masonry inspection chamber 455x610mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I. cover with frame (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38kg (weight of cover 23kg and weight of frame 15kg) R.C.C. top slab with cement concrete 1:2:4 mix 20mm and downsize granite metal, foundation concrete 1:5:10 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. (Page No. 73 / Item No.11.50)	No	4.00	7604.28	Rupee seven thousand six hundred four and paise twenty eight only
32	KSRB 11.11.5 : Providing and fixing white vitreous china clay, flat back wash basin of size 450x300mm with single 15mm C.P brass pillar taps with C.I./M.S. brackets, 32mm C.P. brass waste of standard pattern, painting of fitting and brackets ,cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. Page No. 81 / Item No.12.27	Unit	3.00	2839.32	Rupee two thousand eight hundred thirty nine and paise thirty two only
33	Providing and fixing to wall , ceilling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure chemp plast / Wavin or equivalent make with pipe fitting wall clips, making good the wall, ceilling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No. KBS 11. -do- with 110 mm dia (Page No.75/ Item No. 11.56.2)	Mtr	8.00	743.04	Rupee seven hundred forty three and paise four only

Sl	Description	Unit	Approved Qty	Approved Rate	Rates in words
34	KSRB 11.15.2: Providing and fixing 453 x 357 mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing, including cost materials, labour complete as per specifications.(P.82 / I.N 12.41)	Unit	2	1274.40	Rupee one thousand two hundred seventy four and paise forty only
35	Providing and fixing chlorinated poly veny chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing, this including jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete(internal work exposed on wall)(P.96 / I.N 13.85.2)20mm nominal OD pipes	Mtr	20	145.80	Rupee one hundred forty five and paise eighty only
36	KSRB 13-6.3.1: Providing and fixing in position brass gate valve with C.I. wheel of approved quality (screwed end) 20 mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6 / 13.3 (Page No.91/Item No.13.33)	Each	4	441.72	Rupee four hundred forty one and paise seventy two only
37	Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer block or blue and inner white layer of approved quality and make conforming to I.S.I./ISO/SSI specifications PWD SR 2012-13 (P.258 / I.N 37.58)	Ltr.	8000.00	6.48	Rupee six and paise forty eight only
38	KSRB 13-1.1 : Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 20mm dia nominal bore with fittings (medium grade weight 1.27 kg/mtr) B class including cost of all materials, labour, charges HOM of equipments and testing complete as per specifications. Specification No. KBS 13.2.14/13.8 (P.90/ I.N 13.2)	Mtr	5	241.92	Rupee two hundred forty one and paise ninety two only
39	Providing and fixing CI Nahani Trap of approved make conforming to ISI specifications and construction of cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). (P.91 / I.N 12.113.1)	No	4.00	270.00	Rupee two hundred seventy only
40	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgs/sq.cm working pleasure 25mm outside diameter chemp plast/wavin or equivalent make with pipe fittings, wall clips making good the wall, ceiling and floor including cost all materials, labour charges, HOM of equipment and testing complete as per specifications.(P.N .94 I.N 13.76)	Mtr	12	117.72	Rupee one hundred seventeen and paise seventy two only

Sl	Description	Unit	Approved Qty	Approved Rate	Rates in words
41	Providing and fixing on position brass bib cock of approved quality 25mm dia nomial bore including cost of all materials labour and HOM of equipments with all leads complete as per specifications.(P.N.91 I.N 13.25)	Each	3	293.76	Rupee two hundred ninety three and paise seventy six only
42	Providing White vitreous china clay Indian pattern squatting urinals with white glazed foot rets of approved quality and make conforming to ISI specification and fixing in position with M-15 as directed of size 50.8 cms X 38 cms X 10.16 cms - A Grade (Rate includs cost of all materials and conveyance to work spot) (P.N.88 I.N 12.110)	Each	1	1047.60	Rupee one thousand forty seven and paise sixty only only
43	Providing and fixing M.S Gate as per chief architect drawing using 50mm x 50mm 14 guage M.S hollow pipe frame work bent to ornamental shape as shown in the drawinf and 35mm x 6mm and 16mm x16 mm squre rods for verticle alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S flats for horizontal member and at the top cast iron spikes are provided at alternate verticle members as shown in the drawingetc., complete all the steel surface shold be thoroughly cleaned free of dust and painted with anti corrosive paint (shop paint) etc.,complete the work includes cost of all materil labour charges for all items of work, hire charges for welding, cutting and grindingequipment and electrically charges with lead and lift, loading and unloading charges complete as per specification(P.42&43 / I.N 7.37)	Sqm	12.50	3299.40	Rupee three thousand two hundred ninety nine and paise forty only
44	2.0 HP/1.5KW Atalanta/Suguna/CRI / Kirloskar /Other Equivalent pumps (PWD SR16-17 & Page No. XXXXIV & S.No.17)	Each	1	26300.00	Rupee twenty six thousand three hundred nonly

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Sl	Description	Unit	Approved Qty	Approved Rate	Rates in words
1	Geophysical investigations of site for sinking borewell for supplying drinking waster to the habitation either through the hand pump, MWS or PWSS by vertical electrical sounding by adopting verner or schlumbergers method. Including rerconnaissance survey of geological formation. Geeophysical investigation of existing ground water in the vicinity , nits quality, quantity and acceptabilkity7 of the users indicating the locations of site, recommended depth of casing pipe rerquired to seal the top unconsolidated formaation for proper depth of 1 meter in consolidating formation for proper seating of casing piupe depth of drilling required to cover dull deth of aquuifer proposed to be trapped propable yield and other information requirred including transportation of instrument and accessories to the work site, engaging technical personal and labour requirred (P-47. Item No.9.4)PRED SR 2012-13	No	1.00	1938.46	Rueeps one thousand nine hundred thity eight and paise forty six only
2	Sinking of borewell of 165mm dia clear, using super fast hydralic rig of capacity 250 PSIG & above 900 CMF & above all strata including over burden up to 20m fixing of casing pipe, collars and capo with necessary cutting and threadimg including transportation of rig and swupporting vehicle, crew charges and copst of consumables etc., complete including yield testing at the final depth with a minimum working of comprressor for one hour (excluding cost of casing pipe, collers,cap) P-47. Item No.9.1)PRED SR 2012-13	Rmtr			
	0.00 to 50.00 mtrs		50.00	315.18	Rupees three hundred fifteen and paise eighteen only
3	50.00 to 100.00 mtrs		50.00	412.00	Rupees four hundred twelve only
4	100.00 to 150.00 mtrs		50.00	458.35	Rupees four hundred fifty eight and paise thity five only
5	150.00 to 200.00 mtrs		50.00	484.10	Rupees four hundred eighty four and paise ten only
6	200.00 to 250.00 mtrs		50.00	560.32	Rupees five hundred six and paise thirty two only

Sl	Description	Unit	Approved Qty	Approved Rate	Rates in words
7	250.00 to 300 mtrs		50.00	600.49	Rupees six hundred and paise forty nine only
8	300.00 to 350 mtrs		45.00	640.66	Rupees six hundred forty and paise sixty six only
9	Supply of ISI mark 175mm nominal bore plain end steel casing pipe grade of steel feet410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendment electric resistance welded tube material and confirming to IS 1387/1993 and manufactured by basic open harth electric or basic oxygen process in random length of 5 to 7 mts both ends threaded confirming to IS 4270:2001 and the other wnd with screwed pipes. All pipes shall be reasonally free from defects. the tubes shall be reasonably straight should be with ISI marking weighing 25.10 kg/mtr (inclusive of all taxes duties) price include coller-medium duty) P-III. Item No.84)	Rmtr	75.00	1325.00	Rupees one thousand three hundred twenty five only
10	Providing 200mm dia PVC pipe 10kg/cm2 (SE PRED P.15 It.3.43)	Rmtr	25.00	1721.13	Rupees one thousand seven hundred twenty one and paise thirteen only
11	Providing and Supplying 175 mm dia MS cap (as per PREC SR 2012-13) etc complete as per specification	No	1.00	100.00	Rupees one hundred only
12	Supply and delivery of submersible pump sets suitable for borewell of 165 mm dia with specified dyty conditions as detailed below and satisfying performance characteristics for pump and moter specified in BIS with ISI mark with a minimum efficiency of 42% pump shall confirm to IS 8034/2002 and motor conforming to IS 9283/1995 with ISI certification with latest amendments for the following. 15HP/75KW ATALANTA/SUGUNA/CRI/KIRLOSKAR /OTHER EQUIVALENT PUMPS (page no.XXXXII / Sl.No.33 Code No.2)2015-16	No	1.00	70600.00	Rupees seventy thousand six hundred only
13	Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 50 mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. (SR of PWD for 2014-15, P.87, I-13.6)	Rmtr	330.00	544.32	Rupees five hundred forty four and paise thirty two only

Sl	Description	Unit	Approved Qty	Approved Rate	Rates in words
14	Supplying and drawing 3 crore flat PVC submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 to IS: 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts.)P.No.49/ It.No.29c(1) 2.5sqm of 36 strands 0.3mm dia group-A KPWD Electrical SR 2014-15	Rmtr	700.00	188.70	Rupees one hundred eighty eight and paise seventy only
15	Erection of pump sets including alighning and balancing with all necessary erection of materials and labour including supply and erection of one pair of supporting clamps.one bporewell cap , cable clips. with bolts nuts valves guages,etc..,involved in the job (as per approved rate KUWS & DB for the year 2008-09)	No	1.00	3000.00	Rupees three thousand only
16	Supply of heavy duty galvanised mild steel coller suitable for 50mm dia nominal bore galvanised mild steel	No	55.00	130.00	Rupees one hundred thirty only
17	Providing and fixing 175mm dia MS collar (PRED Bangalore Circle SR 2012-13 P.No.iii, I No. 86)	No	12.00	150.00	Rupees one hundred fifty only
18	Supply of non return valve suitable for 50mm dia nominal bore galvanised mild steel tube	No	1.00	1544.40	Rupees one thousand five hundred forty four and paise forty only
19	Supply of on load charges over switches 4 poles 415V 5hr ac supply 100-125 amps group A	No	1.00	9845.00	Rupees nine thousand eight hundred forty five only
20	Supply and fully automatic star delta unit push button type with siutable wires 3 conectors one adjustable thermal timer mounted on a common base late held in steel enclosure for use on 440/440 volts 3 phase and wired after to the existing wooden board for motor 15 HP	No	1.00	5665.00	Rupees five thousand six hundred sixty five only
21	Erection of single phase preventor ammeters/including fixing sector switch/current operated earth leakage circuit breakers voltage operated circuit breaker abobe 100A fuse channel set (3 Nos) HRC fuses above 100A (3 Nos) including transportation charges from spot (P.28It.16)	No	1.00	1500.00	Rupees one thousand five hundred only

Sl	Description	Unit	Approved Qty	Approved Rate	Rates in words
22	fabricating supplying and mounting 1200x900x350 mm MS box of 18 SWG Suitable for floor/wall mounting fully weather proof with double stanted top as per drawing with provision for better haet dissipation provided with hinged front cover equipped with tamper proof locking arrangements with suitable size clamps with necessary cable entry pipe wqith gland and box should be finished with approved colour enamelled metal paint etc., complete box of 36200sqcm @ Rs0.20 SWG(BWSSB SR P-352 It.41)	No	1.00	7866.00	Rupees seven thousand eight hundred sixty six only
23	Supplying and fixing miniature circuit breakers/solaters on existing MCB box distribution boards using necessary fixing materials and wiring complete as required 32 to 63 amps triple pole with all lead and lift, loading unloading and labour charges etc., complete as per specification (BWSSB SR P-352 It.15)	No	1.00	2090.00	Rupees two thousand ninety only
24	Supplying and running og GI copper strips of grounding connections using necessary fixing materials required 600x600x3mm GI Plate (P-378 It.9)	No	1.00	1072.00	Rupees one thousand seventy two only
25	Supplying and fixing of porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washer etc., complete(P.32,It.3 KPWD Electrical SR 2010-11)	No	1.00	201.40	Rupees two hundred one and paise forty only
26	fabrication supplying and mounting MS box of 16 SWG Suitable for floor/wall mounting fully weather proof with provision for better heat dissipation provided with hinged front cover equipped with tamper proof locking arrangements with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600sqcm @ Rs0.33 SWG (P-49 It 6.40.2) (KPWD Electrical Sr 2014-15)	No	21600.00	0.33	Paise thirty three only
27	Supplying and delivery at site brand neew star/essen/suns/adarsh/GK controls best indegenous make combined energy meter-cum-control panel board unit of size 600x450x200 mm minimum mechanically strong vermin proof and water proof.the unit shall have two data cable doors suitable for operation on 3ph.50hz, 380/440 volts, AC supply with spring loaded latch locking devices with key ribs should be provided with doors, canopy apron and louvers ventilators shall be provided the combined energy meter cum control panel board suitable for operation the panel board shall be fabricated on single unit in the above components for suitable pumpsets (PRED Bangalore Circle SE Approved Date 30.07.2010 15HP to 30HP star Delta Starter)	No	1.00	10000.00	Rupees ten thousand only

Sl	Description	Unit	Approved Qty	Approved Rate	Rates in words
28	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanised steel wire/steel tape armored cable with PVC outer sheathing 101 KV class 4 crore 16 sqmm(P.W.D Electrical SR)	Rmtr	50.00	150.00	Rupees one hundred fifty only
29	Labour charges for laying of 1.1 KV class UG cable when supplied agency vin existing trench GI pipe3 stonewarre pipe/ on wall/ on pole as required (P.W.D Electrical Sr P-68, 1-11a)	Rmtr	50.00	8.00	Rupees eight only
30	Digging of trench of 0.6 m deep x 0.50 mtrs wide rrefilling the trench to the required ground level and consolidating etc completeP.W.D Electrical Sr P-68, 1-8.12b)	Rmtr	50.00	60.00	Rupees sixty only
31	Supplying and fixing of a class A (medium) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 Kv class 65mm (P.W.D Electrical Sr 08-09 P-68, 1-8.12b)	Rmtr	4.00	240.00	Rupees two hundred forty only
32	Supplying, fixing, wiring, earth electrode for grounding conduits, IC cutouts & other equipments on the meter broad using 40mm dia 2.9 thick GI pipe 2.5 mtr long burried in a pitg. The pit should be filled withb equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. the connection from the pipe of ther conduit etc., is to bed establishe through GI wire size as over ISI specification 7.3.3 of IS 732 using 12mm dia bolts, nuts, washers and check nut etc, the pipe shall have 16 through holes of 122 mm dia (P.W.D Electrical Sr P-66, 1-7b)	No	1.00	1495.00	Rupees one thousand four hundred ninety five only
33	Supplying ands fixing LT cast iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, Bolts, nuts & washers etc 4 crore 16 sqmm (P.W.D Electrical Sr 08-09 P-66, 1-16a)	No	1.00	260.00	Rupees two hundred sixty only
	WATER SUPPLY				
34	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.3)	Cum	135.00	200.34	Rupees two hundred thirty four only

Sl	Description	Unit	Approved Qty	Approved Rate	Rates in words
35	Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgs/sq.cm working pressure 63 mm outside diameter with special flange, compression type fittings, wall clips , making good the wall, ceiling and floor including cost all material, labour charges, HOM of equipments and testing complete as per specifications.(P.N .93 I.N 13.70.3)	Rmtr	250.00	289.38	Rupees two hundred eighty nine and paise thirty eight only
36	Refilling available earth around pipelines, cables in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering lead upto 50m and lift upto 1.5m including cost of labour complete as per specification (P. No.6 I.No.2.11)	Cum	135.00	80.56	Rupees eighty and paise fifty six only
37	KSRB 13-6.3.1: Providing and fixing in position **brass gate valve** with C.I. wheel of approved quality (screwed end) 50 mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6 / 13.3 (Page No.91/Item No.13.37)	Each	1	2175.12	Rupees two thousand one hundred seventy five and paise twelve only
38	Providing and fixing on position brass bib cock of approved quality 25mm dia nomial bore including cost of all materials labour and HOM of equipments with all leads complete as per specifications.(P.N.91 I.N 13.25)	Each	5	288.32	Rupees two hundred eighty eight and paise thirty two only

Executive Engineer,
Yelahanka Division,
BBMP, Bangalore.

"DTS Approved"

Chief Engineer
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24/3/17